Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/25/2020 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126538	1	2.62	126612	2.60
Blue	F	SSC	125000	126264	1	2.41	127085	2.33
Blue	E	FITC	15892	15545	-3	3.02	339	20.30
Blue	D	PE	29999	29856	-1	2.12	652	15.05
Blue	B	PerCP-Cy5-5	43732	43899	0	3.93	1177	21.46
Blue	A	PE-Cy7	30845	31201	1	6.33	594	42.86
Red	C	APC	46112	45475	-2	2.53	1608	11.98
Red	A	APC-Cy7	30458	29929	-2	2.40	791	11.74
Violet	B	V450	7918	7541	-5	4.02	425	12.68
Violet	A	V500	32171	31675	-2	3.74	739	10.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17533	13.38	639	18	N/A	N/A	Pass
Blue	F	SSC	57564	1.75	576	17	N/A	N/A	Pass
Blue	E	FITC	61	67.39	551	8	0.0205	217	Pass
Blue	D	PE	136	50.44	558	10	0.1537	263	Pass
Blue	B	PerCP-Cy5-5	216	51.99	666	10	0.0081	43	Pass
Blue	A	PE-Cy7	109	106.44	712	14	0.0099	16	Pass
Red	C	APC	382	25.16	589	5	0.0254	174	Pass
Red	A	APC-Cy7	176	28.29	561	5	0.0059	1102	Pass
Violet	B	V450	65	57.19	465	7	0.0544	1950	Pass
Violet	A	V500	111	32.12	482	8	0.0246	720	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.20	-32.75	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.27	13.60 - 20.40	N/A	N/A	30.23	30.67	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9652

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments